

KATHMANDU UNIVERSITY  
End Semester Examination  
May/June, 2022

Mark Scored:

Level : B.Sc.

Year : I

Course : AGAN 111

Semester : II

Exam Roll No. :

Time: 30 mins.

F.M. : 20

Registration No.:

Date : June-05, 2022

SECTION "A"

[20Q. × 0.5 = 10 marks]

Encircle the most appropriate option.

- Which of the following disease is a zoonotic disease?  
a. Swine fever  
b. Black quarter  
c. Brucellosis  
d. Haemorrhagic septicaemia
- Swine fever is caused by  
a. virus  
b. bacteria  
c. protozoa  
d. parasites
- The main issue in livestock production in the 21<sup>st</sup> century is  
a. Growing human population  
b. Political imbalance  
c. Emerging and re-emerging diseases of animals  
d. Globalization
- Gestation period of goat is  
a. 280 days  
b. 90 days  
c. 150 days  
d. 250 days
- The first milk rich in immunoglobulins and minerals given to calf is called  
a. Full cream milk  
b. Tonned milk  
c. Colostrum  
d. Skimmed milk
- Which of the following vaccines are produced in Nepal?  
a. FMD vaccines  
b. Swine fever vaccine  
c. both (a and b)  
d. Brucella abortus vaccine
- Origin of Boer goat is  
a. South Africa  
b. England  
c. Nepal  
d. Australia
- Which of the following disease does not occur in cattle and buffalo?  
a. FMD  
b. Black Quarter  
c. Classical Swine fever  
d. Brucellosis

9. Which of the following disease is not transmitted to human?
  - a. Avian influenza
  - b. Anthrax
  - c. Enterotoxaemia
  - d. Brucellosis
10. Which of the following breed of cattle have hump?
  - a. Amritmahal
  - b. Jersey
  - c. Holstein Friesian
  - d. Brown Swiss

Fill in the blanks.

11. The indigenous breed of Sheep are
  - a. ....
  - b. ....
12. The characteristic feature of Hampshire is a .....around the body at the shoulder including the front ..... and .....
13. The animal welfare directive was endorsed on .....B.S. in Nepal.
14. Roughages contain crude fibre more than ----- and less than .....TDN on air dry basis.
15. DIVA vaccines differentiates between ..... and ..... animals.
16. Haemorrhagic septicaemia is also known as .....
17. An intermediate host ..... is required to complete the life cycle of Fasciola species.
18. Milk fever is a ..... caused by insufficient .....
19. Enterotoxaemia is caused by .....
20. Fish meal and blood meal are the .....supplements from animal origin.

KATHMANDU UNIVERSITY  
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Level : B.Sc.  
Year : I  
Time : 2 hrs. 30 mins.

Course : AGAN 111  
Semester : II  
F.M. : 40

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SECTION "C"  
[2Q. × 8 = 16 marks]  
(Long answer questions)

Attempt *ANY TWO* questions.

1. Classify the farm animals based on zoological hierarchy.
2. Discuss the etiology, transmission, epidemiology, clinical signs, diagnosis and preventive measures of Foot and Mouth Disease (FMD).
3. What is a disease? Discuss the causes of disease and the preventive and control measures to manage the disease in detail.

SECTION "C"  
[6Q. × 4 = 24 marks]  
(Short answer questions)

Attempt *ANY SIX* questions.

4. Name at least two exotic and two indigenous breeds of goat? Discuss about the distinct features of Duroc and Landrace.
5. What is inbreeding and outbreeding in animals? Discuss the different types of inbreeding and outbreeding in brief.
6. What is Roughages? Classify the Roughages with examples.
7. What are the predisposing factors of Mastitis? Write about the signs and symptoms of clinical and subclinical mastitis.
8. What is the importance of livestock records? Discuss about the different types of livestock records used in livestock farming.
9. Write the name of two important milch breeds and draught breeds of Cattle and discuss the breed characteristics of Murrah buffalo.
10. Discuss the management practices for raising calves up to adult stage.

